



WORK ORDER 2008-05

Date opened: 6 February 2008

Project: Quick Release Cargo Basket Assembly
Type: Eurocopter AS350/355 SeriesBatch Quantity: 2 Complete Basket Assembly (78410-01)
1 w/40 STEP (70405)Approval: Pending Sff08-16
Drawing List: DCL784-3

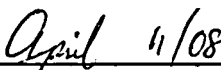
| Fabrication and Assembly Drawing(s) | Description |
|-------------------------------------|----------------------|
| 78410, Rev. 0 | Basket Ass'y |
| 78411, Rev. 0 | Basket Body Ass'y |
| 78412, Rev. 0 | Basket Lid Ass'y |
| 36255, Rev. 1 | Handle Installation |
| 36261, Rev. 4 | Handle Bar Ass'y |
| 36262, Rev. 1 | Handle Bracket Ass'y |

Complete material tracking information on attached pages.

Work Order pre-completion Inspection:

| | |
|---|------------|
| Project is on Approval Limitation Record: | <u>Y</u> ✓ |
| Document Control List revision level matches (or exceeds) STC: | <u>Y</u> ✓ |
| Drawings revision levels match Document Control List: | <u>Y</u> ✓ |
| Purchase order or Work order source is recorded for each part/ass'y: | <u>Y</u> ✓ |
| Tests and inspections specifically called out on drawings are complete: | <u>Y</u> ✓ |
| Release tags associated with all fabricated parts are attached: | <u>Y</u> ✓ |
| All mounting hardware and supplies are included: | <u>Y</u> ✓ |

List all non-conformities raised: _____


Inspector Signature: _____
Date: _____

Drawing: 78410 Revision 0
 Assembly: 78410-01 Cargo Basket Ass'y (Quick-Release, Long, 93.25" long)

| Qty Per | Part # | Description | Material | P.O./W.O. | Checked |
|---------|-------------|-------------------------|-------------------------------|-----------|---------|
| 2 Total | 78410-01 | Cargo Basket Assembly | | | |
| 1 | 78411-01 | Basket Body Assembly | Below | | |
| 1 | 78412-01 | Basket Lid Assembly | Below | | |
| 1 | 36255-01 | Handle Bar Installation | Below | | |
| 1 | 36280-01 | Brace Assembly | 9-2081 Brace | 7005 | |
| 1 | MS20001P4 | Piano Hinge | | 6038 | |
| 1 | 78427-01 | Placard | 0.063 Sheet, 6061-T6 Aluminum | 960708 | |
| 4 | 49205-14 | Bumper | Argus Industries Bumper | 6038 | |
| A/R | CR3213-4-02 | Cherry Rivet | | 8020 | |
| 4 | 40088-14 | Fitting | Ancra | 6058 | |
| 4 | AN960-616 | Washer | | 6016 | |
| 1 | AN3-15A | Bolt | | 6016 | |
| 1 | AN3-17A | Bolt | | 6066 | |
| 4 | AN960-10 | Washer | | 6043 | |
| 2 | AN970-3 | Washer | | 5026 | |
| 2 | MS21044N3 | Nut | | 6016 | |

| Processes | Per | Mat'ls Used | Inspection | Signature |
|------------------|---------------|--------------------|------------|-----------|
| Riveting | AC43.13-1B | CR3213-4-02 Rivets | | jc |
| Final Inspection | Drawing 78410 | | | jc. |

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 78411 Revision 0
 Assembly: 78411-01 Basket Body Ass'y (Quick-Release, Long, 93.25" long)

| Qty Per | Part # | Description | Material | P.O./W.O. | Checked |
|---------|----------|-------------------------|------------------------------------|-----------|---------|
| 2 Total | 78411-01 | Basket Body Assembly | | | |
| A/R | | Tube | 4130 Steel, 3/4" x 0.035 Sqr. Tube | 8007 | |
| A/R | | Tube | 4130 Steel, 1/2" x 0.035 Sqr. Tube | 8007 | |
| 4 | 76421-01 | Hoop | 4130 Steel, 1/2" x 0.035 Sqr. Tube | 8007 | |
| 2 | 76423-01 | Attachment Hoop | 4130 Steel, 1/2" x 0.035 Sqr. Tube | 8007 | |
| 1 | 36262-01 | Handle Bracket Assembly | Below | | |
| 1 | 49215-01 | Spacer | 1018 Steel, 1/2" Rod | 951108 | |
| A/R | 3/4-16F | Mesh | Expanded carbon steel | 7029 | |

| Processes | Per | Mat'ls Used | Inspection | Signature |
|------------------|---------------|---------------------|------------|-----------|
| Welding | AMS 2685C | Welding Rod ER70S-2 | | JP |
| Powder Coat | Drawing 78411 | | | gc |
| Final Inspection | Drawing 78411 | | | gc |

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 78412 Revision 0
Assembly: 78412-01 Basket Lid Ass'y (Quick-Release, Long, 93.25" long)

| Qty Per | Part # | Description | Material | P.O./W.O. | Checked |
|---------|----------|-------------------------------|------------------------------------|-----------|---------|
| 2 Total | 78412-01 | Basket Lid Assembly | | | |
| A/R | | Tube | 4130 Steel, 3/4" x 0.035 Sqr. Tube | 8007 | |
| 1 | 49216-01 | Spacer | 1018 Steel, 1/2" Rod | 951108 | |
| 1 | 36262-01 | Upper Handle Bracket Assembly | Below | | |
| 1 | 36204-10 | Placard Bracket | 1018 Steel, 0.035" Sheet | 9516042 | |
| A/R | 3/4-16F | Mesh | Expanded carbon steel | 7029 | |


| Processes | Per | Mat'ls Used | Inspection | Signature |
|------------------|---------------|---------------------|------------|-----------|
| Welding | AMS 2685C | Welding Rod ER70S-2 | | JL |
| Powder Coat | Drawing 78412 | | | JL |
| Final Inspection | Drawing 78412 | | | JL |

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 36255 Revision 1
Assembly: 36255-01 Handle Installation

| Qty Per | Part # | Description | Material | P.O./W.O. | Checked |
|---------|-----------|--------------------------|-------------------------------------|-----------|---------|
| 2 Total | 36255-01 | Handle Installation | | | |
| 1 | 36261-01 | Handle Bar Assembly | Below | | |
| 2 | 36278-01 | Spring (1 left, 1 right) | 304 Stainless, 1/16" Dia Music Wire | 7004 | |
| 2 | 36275-01 | Bushing | SAE 660 Bronze, 5/16" Dia | 6068 | |
| 2 | AN3-14A | Bolt | | 6071 | |
| 4 | AN960-10 | Washer | | 6043 | |
| 2 | MS21044N3 | Nut | | 6016 | |



| Processes | Per | Mat'ls Used | Inspection | Signature |
|------------------|---------------|-------------|------------|---|
| Final Inspection | Drawing 36255 | | |  |

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 36261 Revision 4
Assembly: 36261-01 Handle Bar Assembly

| Qty Per | Part # | Description | Material | P.O./W.O. | Checked |
|---------|-------------|---------------------|--|-----------|---------|
| 2 Total | 36261-01 | Handle Bar Assembly | | | |
| 1 | 36277-01 | Handle Bar | 316 Stainless, 1.0 x 0.035 Rnd. Tube | 6006 | |
| 2 | 36271-01 | Lever | 304 Stainless, 0.105 Sheet | 7006 | |
| 2 | 36274-01 | Bushing | 304 Stainless, 7/16" x 0.065 Rnd. Tube | 2005 | |
| 2 | MS20615-4M3 | Rivet | | 7039 | |



| Processes | Per | Mat'ls Used | Inspection | Signature |
|------------------|---------------|--------------------|------------|---|
| Welding | AMS 2685C | Welding Rod ER308L | |  |
| Final Inspection | Drawing 36261 | | |  |

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 36262 Revision 1
Assembly: 36262-01 Handle Bracket Assembly

| Qty Per | Part # | Description | Material | P.O./W.O. | Checked |
|---------|----------|-------------------------|----------------------------|-----------|---------|
| 2 Total | 36261-01 | Handle Bracket Assembly | | | |
| 1 | 36272-01 | Basket Bracket | 321 Stainless, 0.050 Sheet | 3021 | |
| 2 | 36273-01 | Lid Bracket | 321 Stainless, 0.050 Sheet | 3021 | |
| 2 | 36275-02 | Support | 304 Stainless, 5/16" Rod | 6003 | |

| Processes | Per | Mat'ls Used | Inspection | Signature |
|------------------|---------------|--------------------|------------|---|
| Welding | AMS 2685C | Welding Rod ER308L | |  |
| Final Inspection | Drawing 36262 | | |  |

Tag incomplete parts with Work Order # when stored between processes.



Tag complete parts / assemblies with Release Tag prior to storage.

Drawing: 70405 Revision 1
Assembly: 70405-01 Lid Step Modification

| Qty Per | Part # | Description | Material | P.O./W.O. | Checked |
|---------|------------|-----------------------|------------------------------------|-----------|---------|
| 1 Total | 70405-01 | Lid Step Modification | | | |
| 1 | 70405-03 | Tube | 4130 Steel, 3/4" x 0.035 Sqr. Tube | 8007 | |
| 1 | 70405-04 | Tread Plate | 3003 Aluminum Tread Plate, 0.063" | 8031 | |
| 18 | CR3213-4-2 | Cherry Rivet | | 7010 | |

Note: Step is installed on all bays of lid.

Note: Remainder of assembly listed on drawing 78412

| Processes | Per | Mat'ls Used | Inspection | Signature |
|------------------|---------------|---------------------|------------|---|
| Welding | AMS 2685C | Welding Rod ER70S-2 | |  |
| Final Inspection | Drawing 70405 | | |  |

Tag incomplete parts with Work Order # when stored between processes.

Tag complete parts / assemblies with Release Tag prior to storage.

AIRSPAN

AERO Design Ltd.
2013 - 39th Ave. NE
Calgary, AB, T2E 6R7

AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA
TCCA 24-0078
AMF # 73-04

Product: Quick Release Cargo Basket Part #: 78410-01

Approval #: ~~SH00-48~~ SH 08-16 Serial #: 78401-03

WO #: 2008-05 Quantity: 1

Eligibility: Eurocopter AS350/355 Series Work Status: Manufactured

Remarks: With Lid Step IAW DCL704

I hereby certify that the product identified above has been manufactured in accordance with the applicable design data and the Canadian Aviation Regulations or applicable foreign regulations.

May 20/08
Date

Jeff Clarke.
Inspector's Signature

Lakeshore
Hel

AERO Design Ltd.
2013 - 39th Ave. NE
Calgary, AB, T2E 6R7

AUTHORIZED RELEASE CERTIFICATE

TRANSPORT CANADA
TCCA 24-0078
AMF # 73-04

Product: Quick Release Cargo Basket Part #: 78410-01

Approval #: ~~SH00-48~~ SH08-16 Serial #: 78401-01

WO #: 2008-05 Quantity: 1

Eligibility: Eurocopter AS350/355 Series Work Status: Manufactured

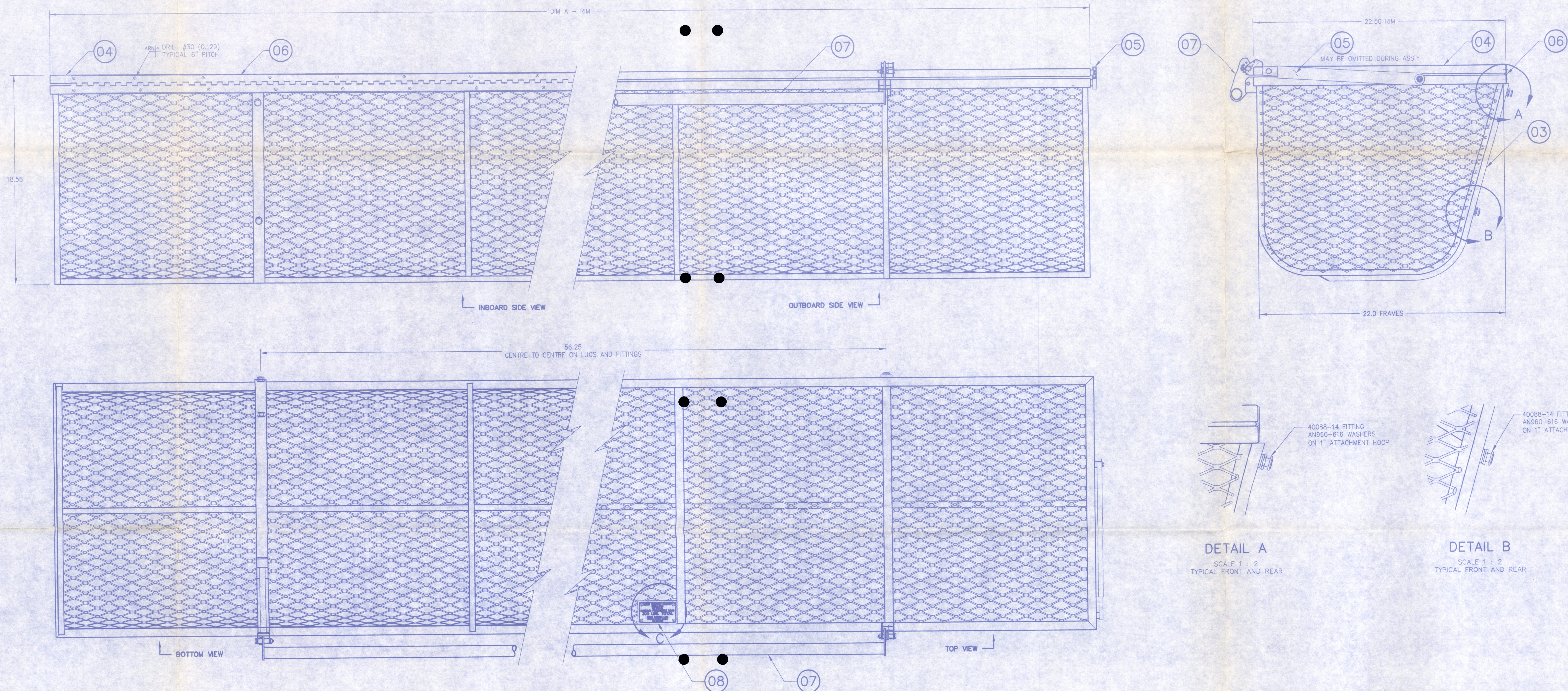
Remarks: With Lid Step IAW DCL704

I hereby certify that the product identified above has been manufactured in accordance with the applicable design data and the Canadian Aviation Regulations or applicable foreign regulations.

April 11/08
Date

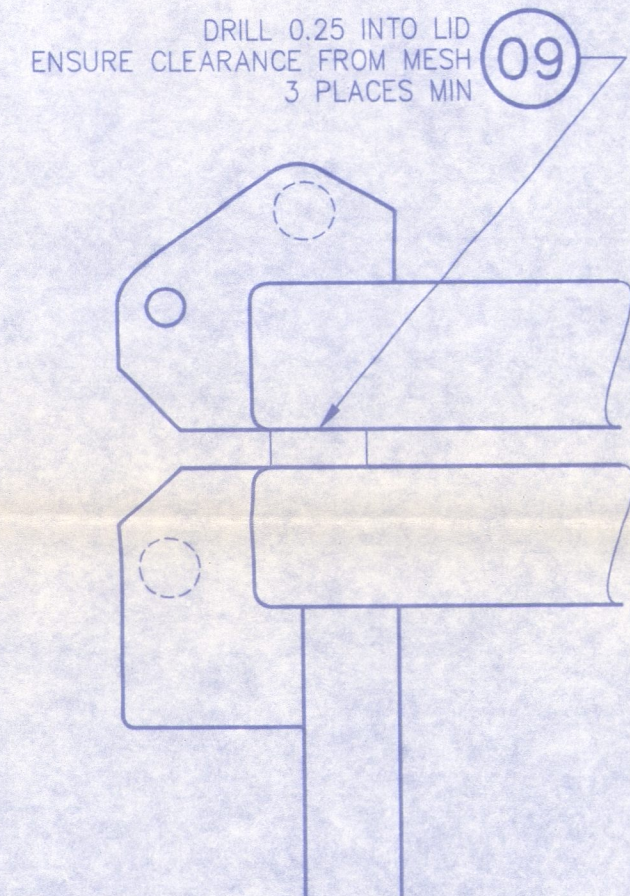
J. Chak.
Inspector's Signature

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| REV. | DESCRIPTION OF CHANGE | INITIALS | DATE |
| 0 | INITIAL ISSUE | | |

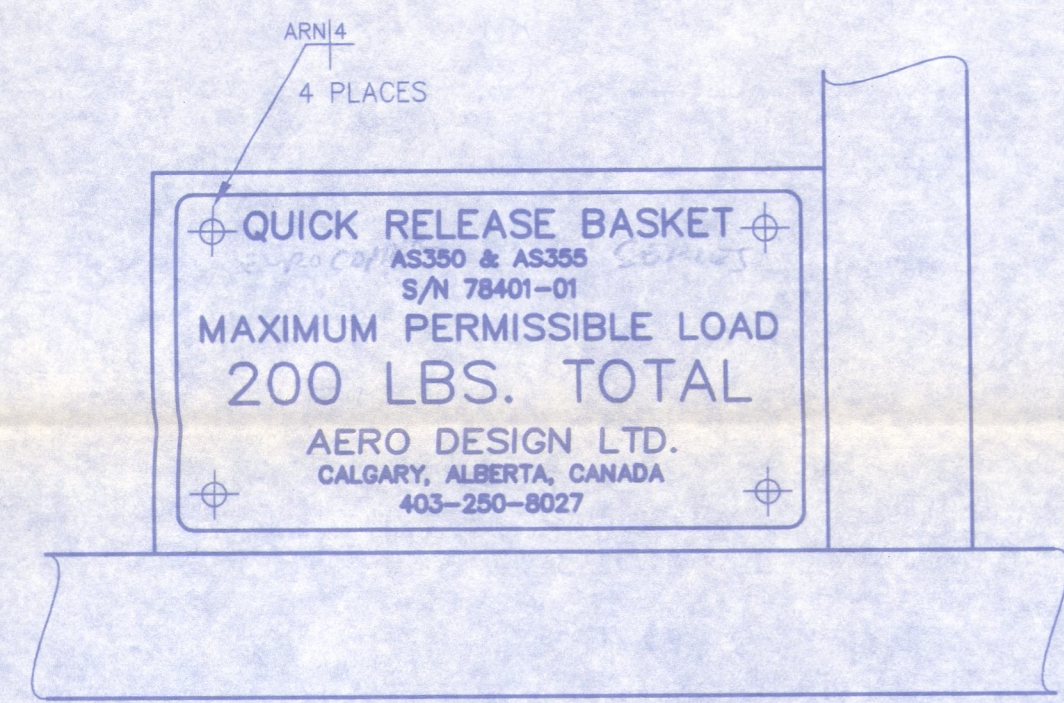


- 02 CARGO BASKET ASSEMBLY
01 CARGO BASKET ASSEMBLY

93.25IN LONG BASKET (78410-01) SHOWN



BUMPER INSTALLATION
SCALE 1 : 1



DETAIL C
SCALE 1 : 1
LOOKING AT PLACARD BRACKET
PLACARD FOR 93.25IN LONG BASKET (78410-01) SHOWN

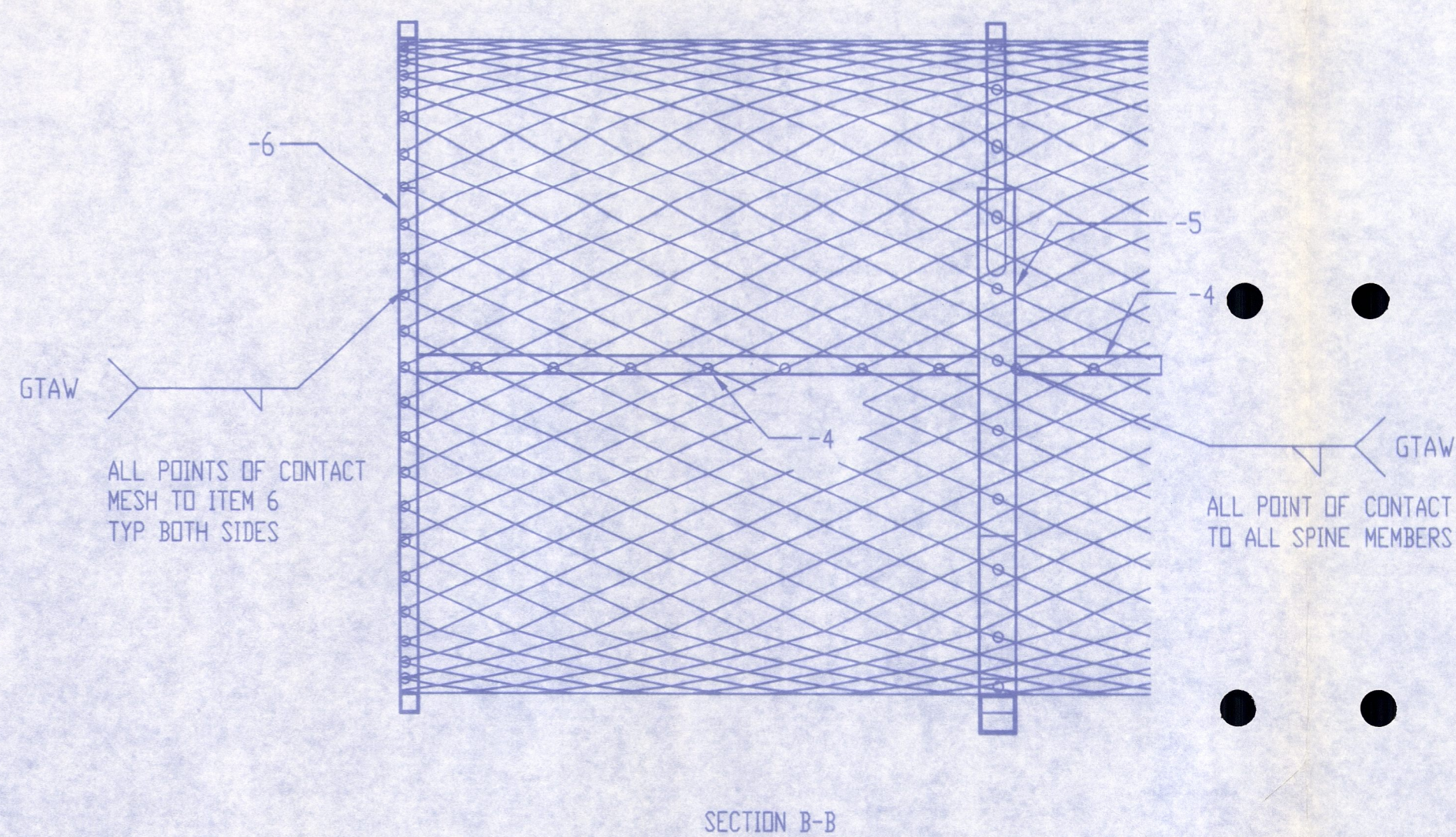
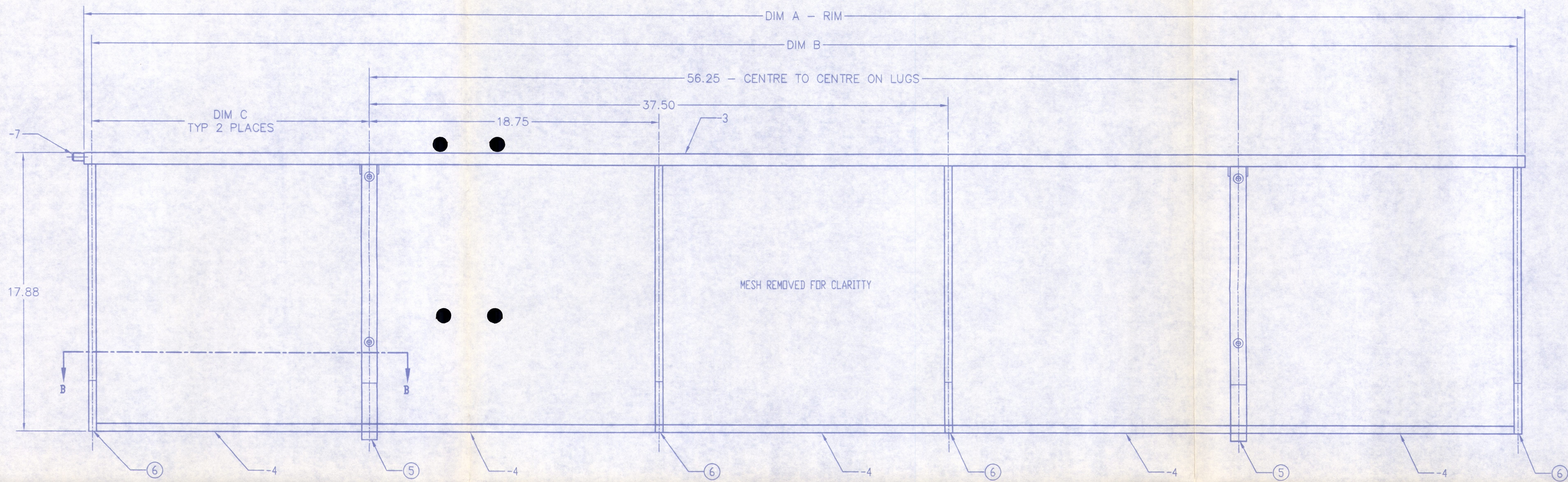
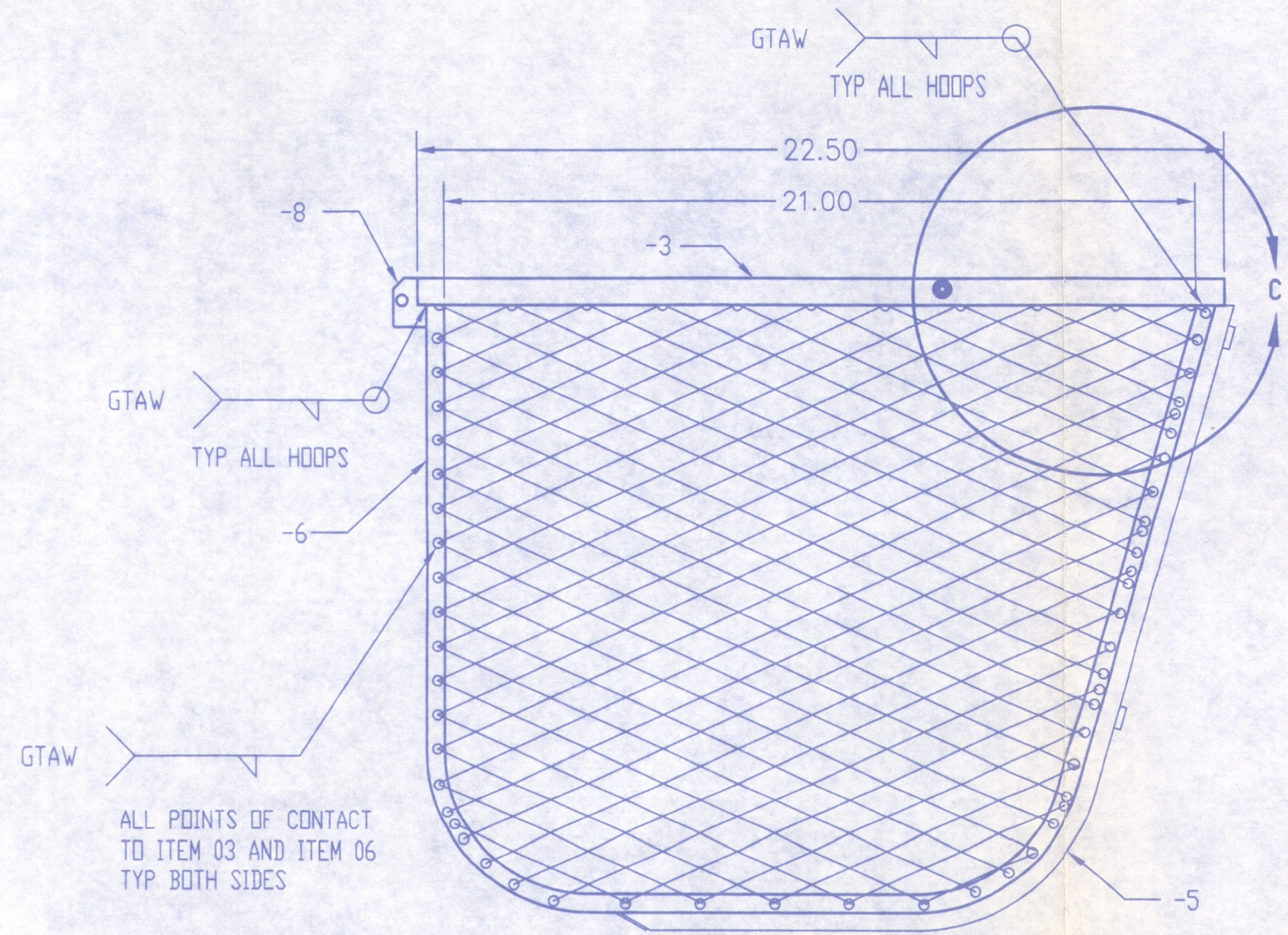
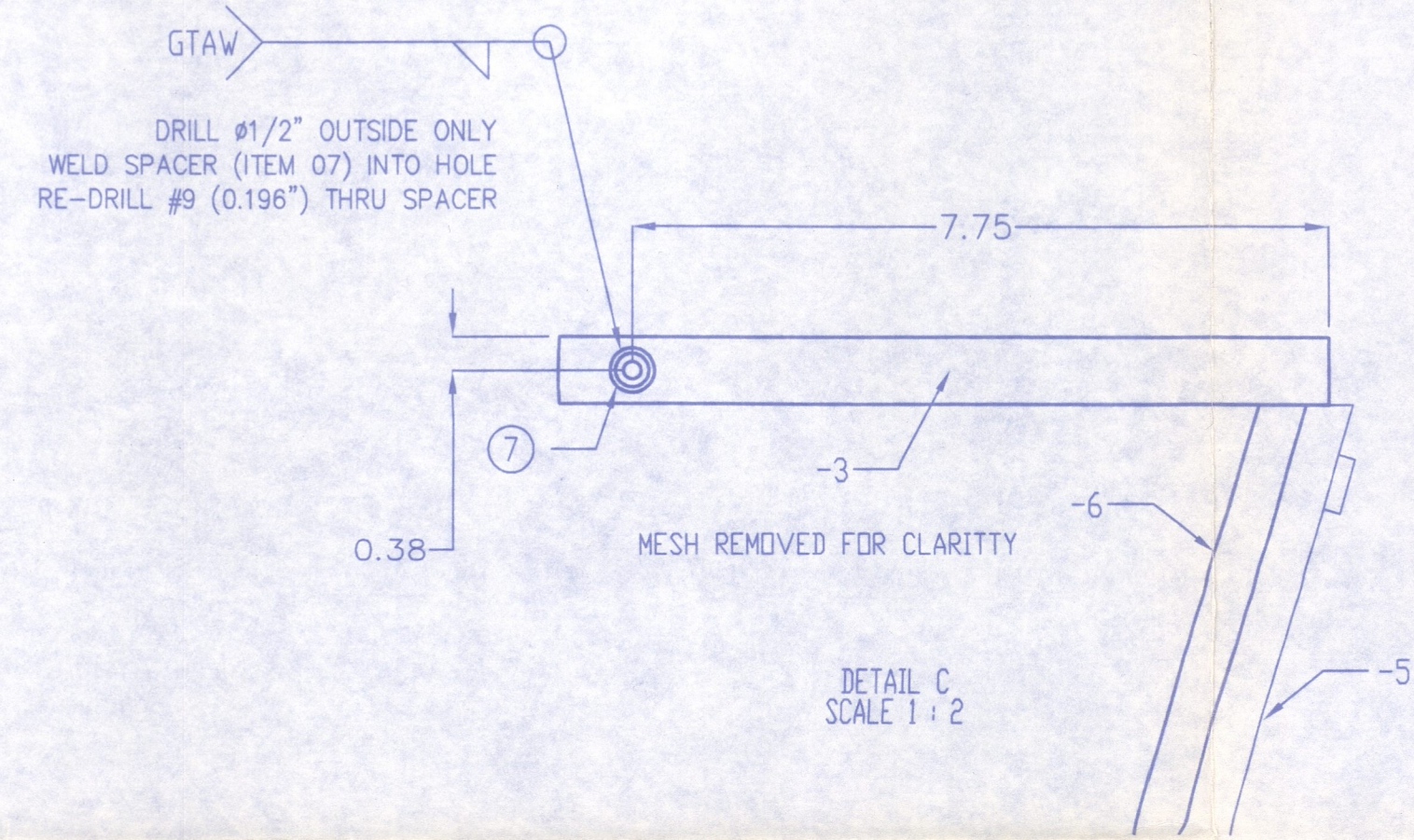
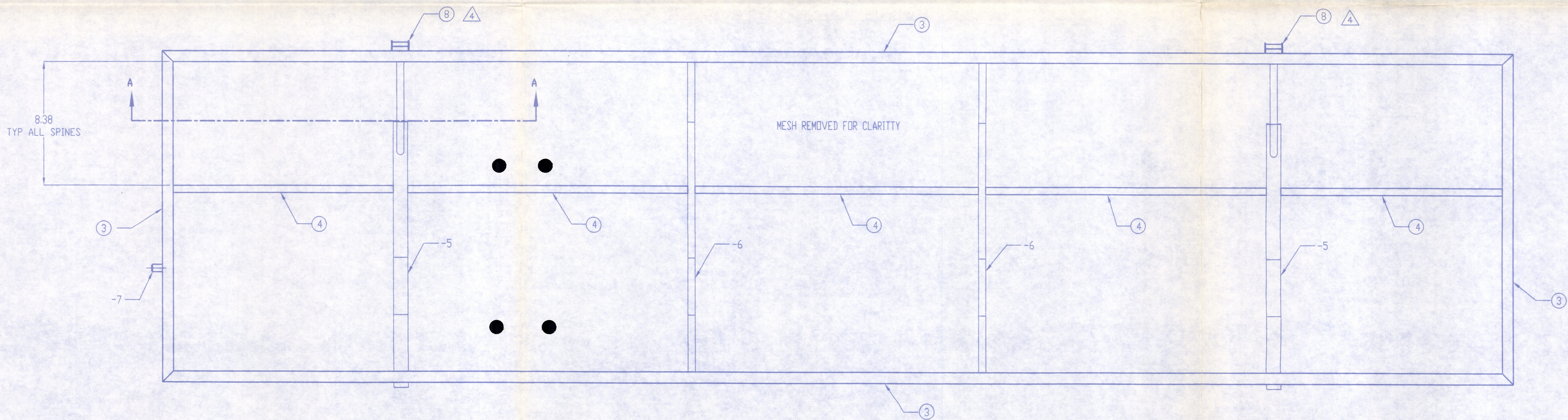
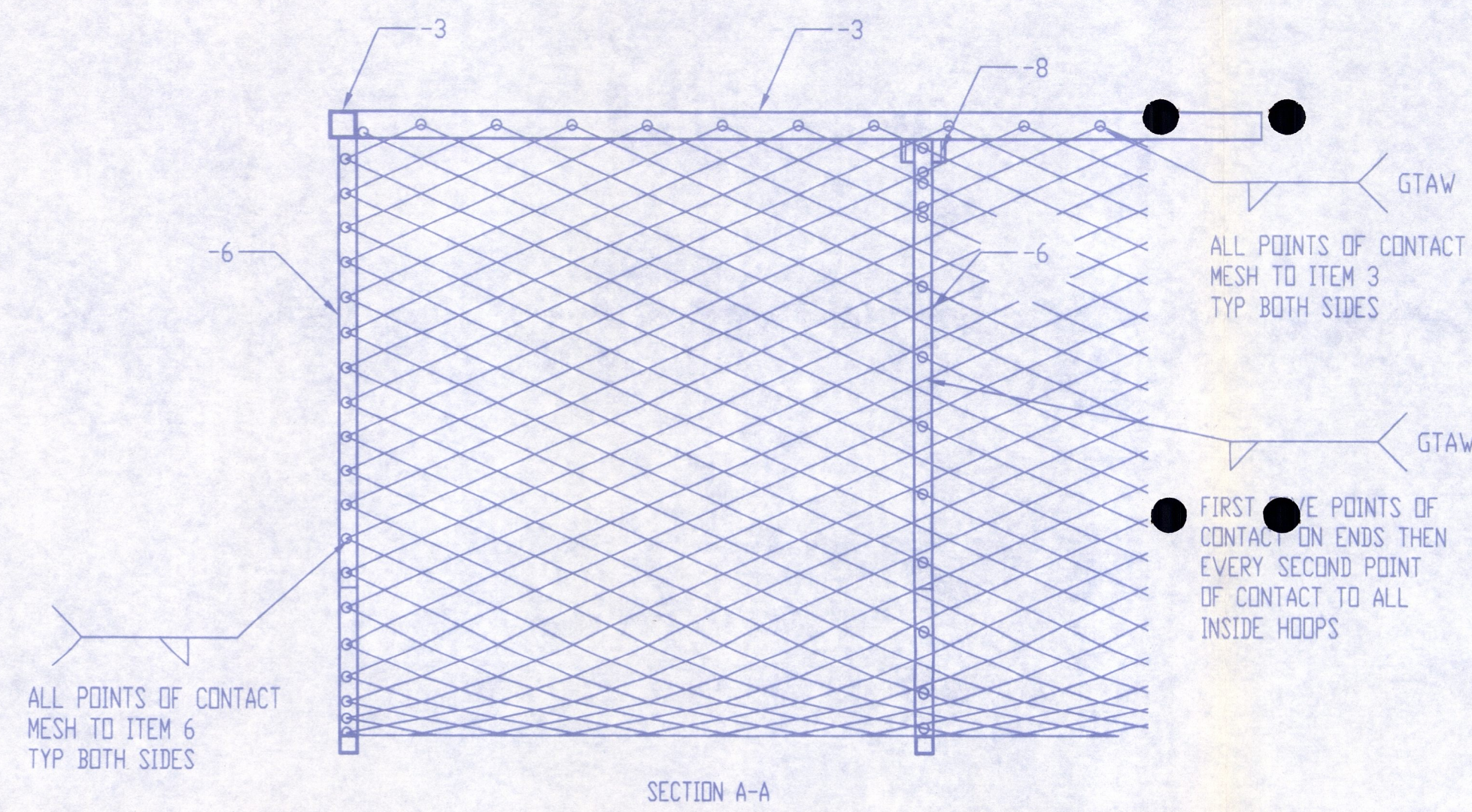
| CONFIGURATION NO. | DIM. A |
|-------------------|--------|
| 78411-02 | 97.00 |
| 78411-01 | 93.25 |

TABLE 1 - BASKET ASSEMBLY CONFIGURATIONS
REF ONLY

NOTE:
1. ALL DIMENSIONS SHOWN ARE FOR REFERENCE ONLY. DIMENSIONS OF COMPONENTS AND COMPLETE ASSEMBLY ARE DETERMINED IN PREVIOUS STEPS.

| A/R | A/R | AN960-616 | WASHER | | | |
|----------|--------------------------|-------------|----------------------------|------------------|---------------|--|
| 4 | 4 | 40088-14 | FITTING | ANCRA | | |
| A/R | A/R | CR3213-4-02 | CHERRY RIVET | | | |
| 3 | 3 | 49205-14 | BUMPER | ARGUS INDUSTRIES | | |
| 1 | 1 | 78426-01 | PLACARD | | | |
| 1 | 1 | 78427-01 | PLACARD | | | |
| 1 | 1 | 36255-01 | 07 HANDLE BAR INSTALLATION | | | 6 FEET LONG |
| A/R | A/R | MS2000TP4 | 06 PIANO HINGE | | | |
| 1 | 1 | 36280-01 | 05 BRACE ASSEMBLY | | | |
| 1 | 1 | 78412-02 | 04 LID ASSEMBLY | | | |
| 1 | 1 | 78412-01 | 04 LID ASSEMBLY | | | |
| 1 | 1 | 78411-02 | 03 BASKET BODY ASSEMBLY | | | |
| 1 | 1 | 78411-01 | 03 BASKET BODY ASSEMBLY | | | |
| 78410-02 | 02 CARGO BASKET ASSEMBLY | | | | | SEE TABLE 1 - BASKET ASSEMBLY CONFIGURATIONS |
| 78410-01 | 01 CARGO BASKET ASSEMBLY | | | | | SEE TABLE 1 - BASKET ASSEMBLY CONFIGURATIONS |
| QTY | PART NO. | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |

| | | | | | | | | |
|--|--|--|--|--|--|--|----------|------|
| REF. NAS 523 | | DASH NO. FOR DIAMETER N=MPD. HEAD NEAR SIDE F=MPD. HEAD FAR SIDE | | APPROVALS DRAWN: R. RATHWELL 19 FEB 08 | | AERO DESIGN LTD. CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M 1301 - 59TH AVENUE NE. CALGARY, ALBERTA, CANADA T2C 6R7 tel: (403) 250-0027 fax: (403) 250-5333 www.aerodesign.ca | | |
| C=COUNTERSUNK D=DIMPLE DIGIT# OF SHEET'S TO BE DIMPLED | | DASH NO. FOR LENGTH | | CHECKED: E. BURDON | | EUROCOPTER AS350 & AS355 SERIES QUICK RELEASE SKI BARSET BASKET ASSEMBLY | | |
| BASIC CODES: BJ=MS20470AD BB=MS20426AD ARN=CR3213 ARM=CR3212 | | + INSTALL NEW RIVET + REMOVE/REPLACE RIVET - EXISTING RIVET | | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ON: DECIMALS ANGLES X.XXX ±0.010 ±1/2" X.XX ±0.03 X.X ±0.1 | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | SCALE 1 : 4 | | DWG. SIZE | DWG. NO. | REV. |
| | | | | SHEET 1 OF 1 | | A0 | 78410 | 0 |



- 01 BASKET BODY ASSEMBLY
02 BASKET BODY ASSEMBLY
93.25IN LONG BASKET (78411-01) SHOWN

| | | | |
|-------------------|-------|-------|-------|
| 78411-02 | 97.00 | 96.00 | 19.88 |
| 78411-01 | 93.25 | 92.25 | 18.00 |
| CONFIGURATION NO. | DIM A | DIM B | DIM C |

TABLE 1 - BASKET BODY CONFIGURATIONS

- NOTES:
1. REMOVE ALL BURRS AND BREAK SHARP EDGES.
2. PRIOR TO WELDING, DRILL 3/32 VENT HOLES IN ASSEMBLY FOR VENTING OF WELD GASES. WHEN ASSEMBLY IS COMPLETE, FILL ALL VENT HOLES WITH ROSETTE WELD.
3. WELDING OF 4130 STEEL TO BE COMPLETED BY GTAW METHOD TO AMS 2685C.
WELDING ROD SHALL CONFORM TO ER70S-2 OR EQUIVALENT.
4. INSTALL ITEM 8 (HANDLE BRACKET ASSEMBLY) IN ACCORDANCE WITH AERO DESIGN LTD. DRAWING 36262 TYP 2 PLACES.
5. THOROUGHLY CLEAN AND POWDER COAT BASKET SUB-ASSEMBLES PRIOR TO ASSEMBLY.

| A/R/A/R | 3/4 | 10F | 09 | MESH | STEEL | STEEL | |
|----------|-----|----------|------|-------------------------|--|---------------|----------------------|
| 2 | 2 | 36262 | 08 | HANDLE BRACKET ASSEMBLY | APPLICABLE ASSEMBLY ONLY | | |
| 3 | 3 | 49215-01 | 07 | SPACER | | | |
| 2 | 2 | 76421-01 | 06 | HOOP | | | |
| 4 | 4 | 76423-01 | 05 | ATTACHMENT HOOP | | | |
| A/R/A/R | | | | 04 SQUARE TUBE | 4130 STEEL COND. N | MIL-T-6736 | 1/2 X 0.032 SQR TUBE |
| A/R/A/R | | | | 03 SQUARE TUBE | 4130 STEEL COND. N | MIL-T-6736 | 3/4 X 0.032 SQR TUBE |
| 78411-02 | | | | 02 BASKET BODY ASSEMBLY | SEE TABLE 1 - BASKET BODY CONFIGURATIONS | | |
| 78411-01 | | | | 01 BASKET BODY ASSEMBLY | SEE TABLE 1 - BASKET BODY CONFIGURATIONS | | |
| 02 | 01 | PART NO. | ITEM | DESCRIPTION | MATERIAL/NOTE | MATERIAL SPEC | STOCK SIZE |
| QTY | QTY | | | | | | |

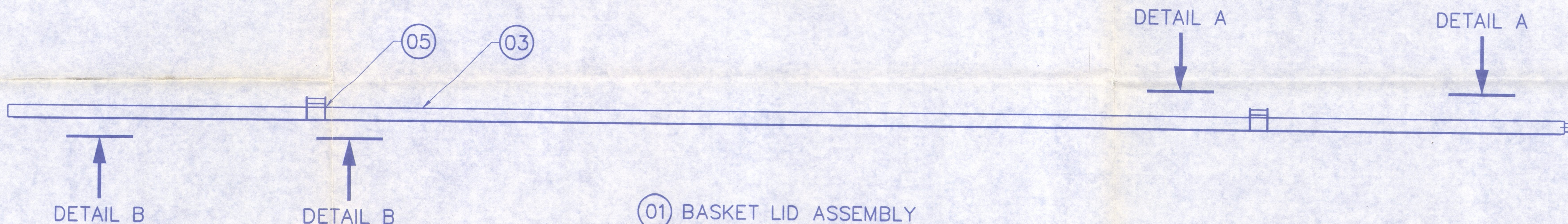
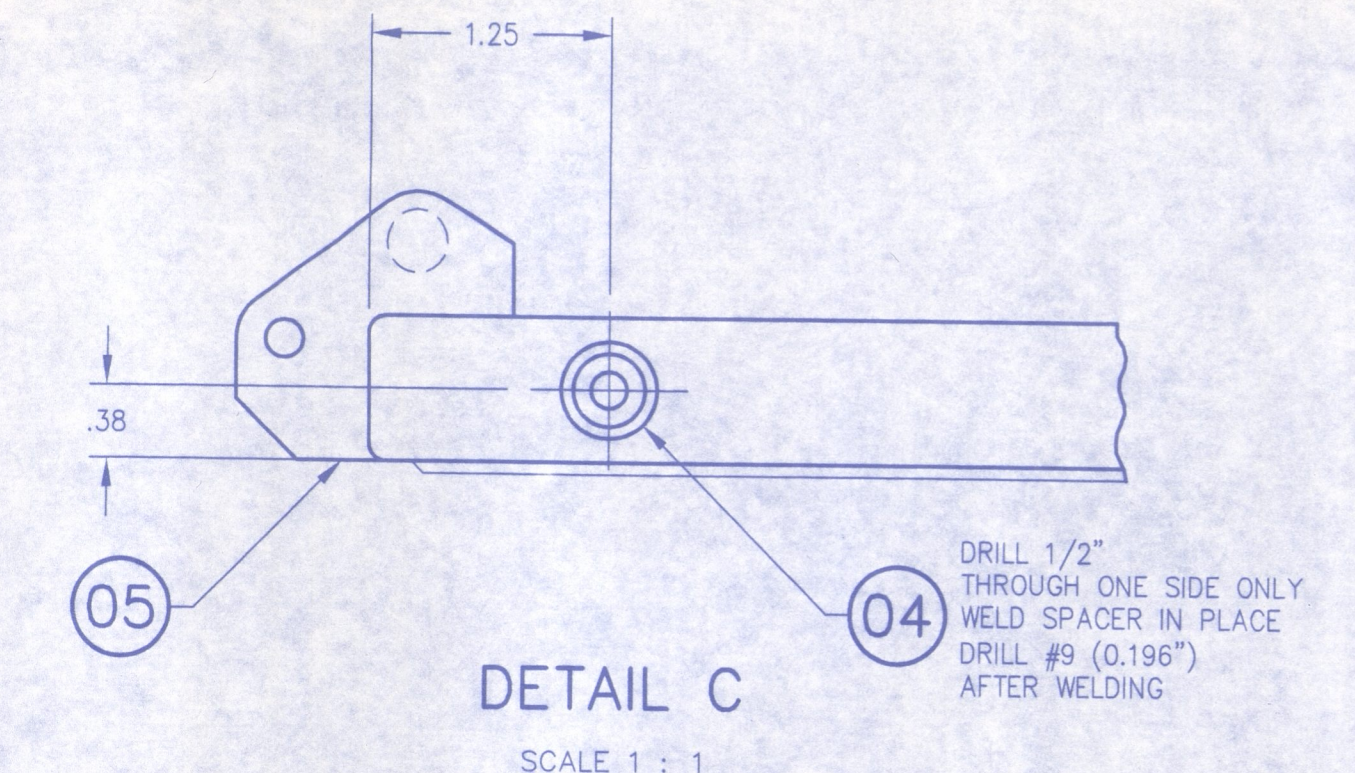
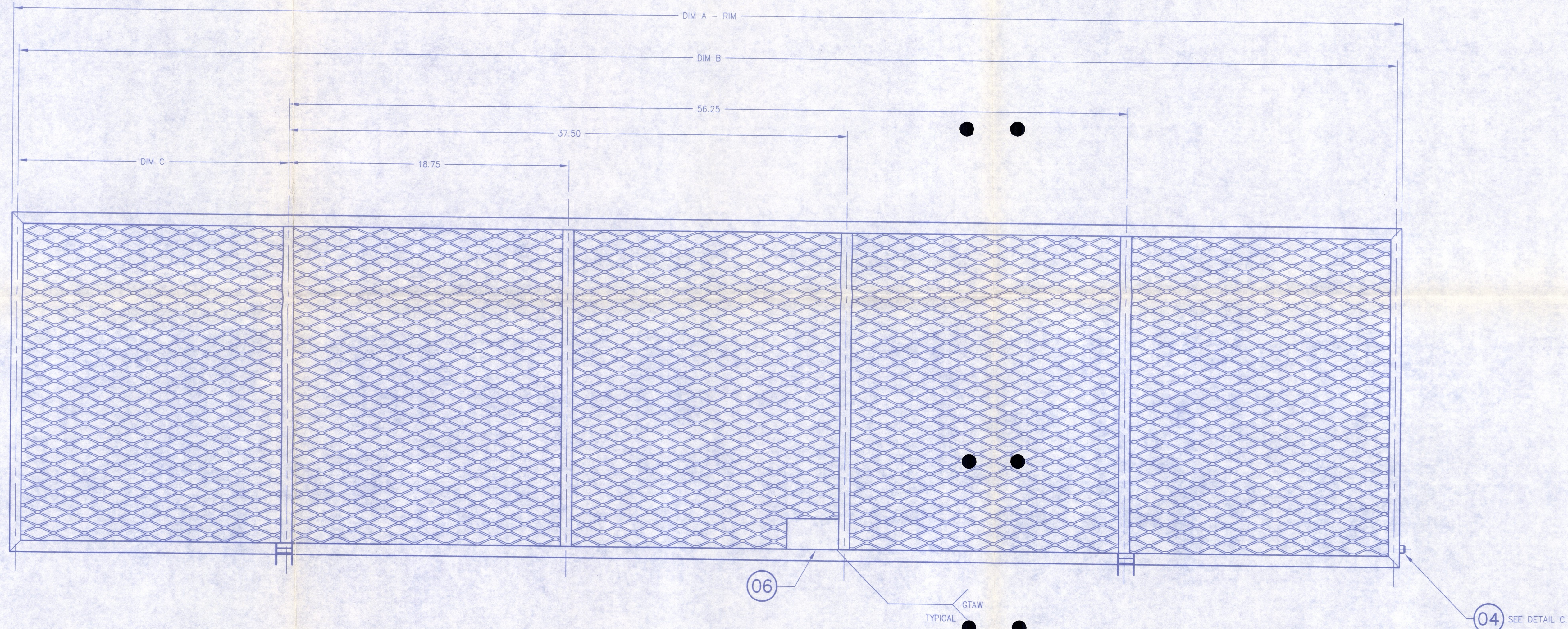
| APPROVALS | DATE |
|---------------------|-----------|
| DRAWN: R. RATHWELL | 25 JAN 08 |
| CHECKED: E. BURGOIN | |

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.
TOLERANCES ON:
DECIMALS ANGLES
X.XXX ±0.010 ±1/2°
X.XX ±0.03
X.X ±0.1

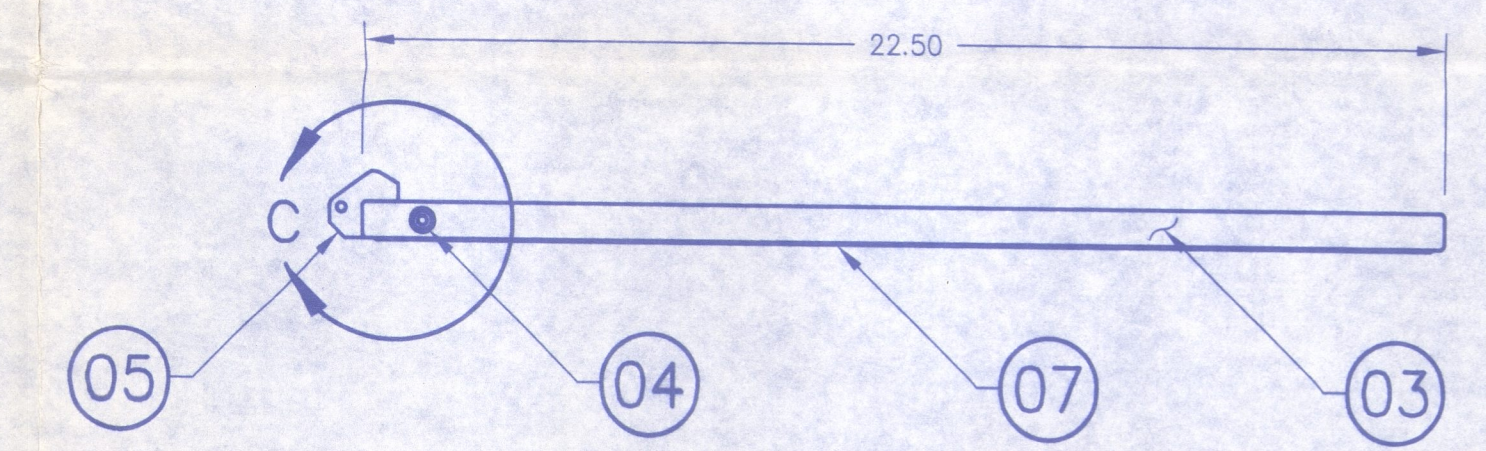
AERO DESIGN LTD.
CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 290M
2013 - 391TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2B 6R7
tel: (403) 260-8027 fax: (403) 260-8533 www.aerodesignco.ca

**EUROCOPTER AS350 & AS355 SERIES
QUICK RELEASE CARGO BASKET
BASKET BODY ASSEMBLY**

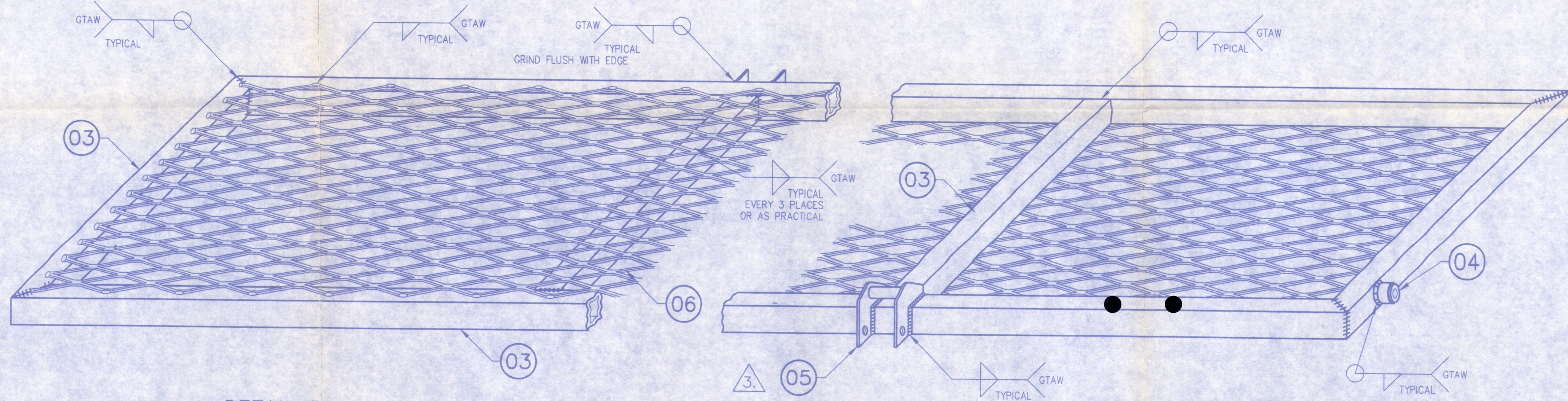
| | | | |
|--------------|-----------|----------|------|
| SCALE 1 : 4 | DWG. SIZE | DWG. NO. | REV. |
| SHEET 1 OF 1 | A0 | 78411 | 0 |



01 BASKET LID ASSEMBLY
02 BASKET LID ASSEMBLY
93.25IN LONG BASKET LID (78412-01) SHOWN TO SCALE



- NOTES:
1. REMOVE ALL BURRS AND BREAK SHARP EDGES
 2. WELDING OF 4130 STEEL TO BE COMPLETED BY GTAW METHOD TO AMS 2685C. WELDING ROD SHALL CONFORM TO ER70S-2 OR EQUIVALENT.
 3. INSTALL ITEM 5 (HANDLE BRACKET ASSEMBLY) IN ACCORDANCE WITH AERO DESIGN LTD. DRAWING 36262 TYP 2 PLACES.
 4. WHEN ASSEMBLY IS COMPLETE, FILL ALL VENT HOLES WITH ROSETTE WELD.
 5. THOROUGHLY CLEAN AND POWDER COAT BASKET SUB-ASSEMBLIES PRIOR TO ASSEMBLY.



| | | | |
|-------------------|-------|-------|-------|
| 78412-02 | 97.00 | 96.25 | 20.00 |
| 78412-01 | 93.25 | 92.50 | 18.13 |
| CONFIGURATION NO. | DIM A | DIM B | DIM C |

TABLE 1 - BASKET LID CONFIGURATIONS

| A/R | A/R | 3/4-16F | 07 MESH | | | | |
|--|-----|----------|------------------------------|---|--|---------------|------------|
| 1 | 1 | 36204-10 | 06 PLACARD BRACKET | | | | |
| 1 | 1 | 36262-01 | 05 UPPER HANDLE BRACKET ASSY | | | | |
| 1 | 1 | 49216-01 | 04 SPACER | | | | |
| A/R | A/R | | 03 SQUARE TUBE | 4130 STEEL COND. N. MIL-T-6736 | 3/4 X 0.032 SQR. TUBE | | |
| | | 78412-02 | 02 BASKET LID ASSEMBLY | SEE TABLE 1 - BASKET LID CONFIGURATIONS | | | |
| | | 78412-01 | 01 BASKET LID ASSEMBLY | SEE TABLE 1 - BASKET LID CONFIGURATIONS | | | |
| 02 | 01 | PART NO. | ITEM | DESCRIPTION | MATERIAL | MATERIAL SPEC | STOCK SIZE |
| QTY | | | | | | | |
| LIST OF MATERIALS | | | | | | | |
| APPROVALS | | | | DATE | AERO DESIGN LTD. | | |
| DRAWN: R. RATHWELL | | | | 19 FEB 08 | CONSULTING ENGINEERS, TRANSPORT CANADA APPROVALS, DAR 280M | | |
| CHECKED: E. BURGON | | | | | 2013 - 30TH AVENUE N.E., CALGARY, ALBERTA, CANADA, T2E 6R7 | | |
| | | | | | tel: (403) 250-6027 fax: (403) 250-6393 www.aerodesign.ca | | |
| UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES. TOLERANCES ON: | | | | | EUROCOPTER AS350 & AS355 SERIES QUICK RELEASE CARGO BASKET BASKET LID ASSEMBLY | | |
| DECIMALS | | | | ANGLES | | | |
| X.XXX ±0.010 | | | | ±1/2" | | | |
| X.XX ±0.03 | | | | | | | |
| X.X ±0.1 | | | | | | | |
| SCALE 1 : 4 | | | | DWG. SIZE | DWG. NO. | REV. | |
| SHEET 1 OF 1 | | | | A0 | 78412 | 0 | |